

WEST Search History

DATE: Tuesday, May 21, 2002

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

L32	L28 and ((vitamin adj a) or retinyl retinol retinoi\$)	2	L32
L31	lamella and (glycerid\$ monoglycerid\$).ab.	1	L31
L30	lamella and (glycerid\$ monoglycerid\$).ab. and cosmetic	0	L30
L29	L28 and ((vitamin adj a) or retinyl retinol retinoic)	2	L29
L28	lamella and (glycerid\$ monoglycerid\$) and cosmetic	20	L28
L27	lamella.ab. and (glycerid\$ monoglycerid\$)	0	L27
L26	lamella and ((glycerid\$ monoglycerid\$) near5 (stearic palmitic myristic))	1	L26
L25	lamella and (glycerid\$ monoglycerid\$)	68	L25

DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR

L24	lamella and (glycerid\$ monoglycerid\$)	9	L24
L23	L22	0	L23

DB=USPT; PLUR=YES; OP=OR

L22	L21	1	L22
L21	L20 and lamella	1	L21
L20	yakult.as.	95	L20
L19	(lamellar) and ((vitamin adj a) or retinol or retinyl) and ((monoglycerid\$ or glycerid\$) near10 (stearic palmitic myristic))	1	L19
L18	(lamellar (liquid adj crystal)) and ((vitamin adj a) or retinol or retinyl) and (monoglycerid\$ or (glycerid\$ near3 acid)) and (stearic palmitic myristic)	13	L18
L17	(lamellar (liquid adj crystal)) and ((vitamin adj a) or retinol or retinyl) and (monoglycerid\$ or (glycerid\$ near3 acid))	21	L17
L16	(lamellar (liquid adj crysta\$)).ab. and ((vitamin adj a) or retinol or retinyl) and glycerid\$	4	L16
L15	(lamellar (liquid adj crystal)) and ((vitamin adj a) or retinol or retinyl) and glycerid\$	33	L15
L14	L5 and (glycerid\$)	0	L14
L13	L12	0	L13

DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR

L12	L5 and (glycerid\$)	0	L12
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DB=USPT; PLUR=YES; OP=OR

L11	L5 and (monoglycerid\$)	0	L11
L10	(smell odor) near20 ((vitamin adj a) or retinol or retinyl)	1	L10
L9	L8	0	L9

2

DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR

L8	(smell odor) near20 ((vitamin adj a) or retinol or retinyl)	0	L8
L7	(lamellar (liquid adj crystal)).ab. and ((vitamin adj a) or retinol or retinyl)	3	L7
L6	L5	0	L6

DB=USPT; PLUR=YES; OP=OR

L5	(lamellar (liquid adj crystal)).ab. and ((vitamin adj a) or retinol or retinyl)	9	L5
L4	(lamellar (liquid adj crystal)).ab. and ((vitamin adj a) or retin\$).ab.	13	L4
L3	lamellar.ab. and ((vitamin adj a) or retin\$)	32	L3
L2	lamellar and (monoglyceride\$ and (myristic palmitic stearic)) and ((vitamin adj a) or retin\$)	11	L2
L1	lamellar.ab. and (monoglyceride\$ and (myristic palmitic stearic)) and ((vitamin adj a) or retin\$)	0	L1

END OF SEARCH HISTORY

WEST☐ Generate Collection☐ Print

L24: Entry 7 of 9

File: DWPI

Oct 3, 2000

DERWENT-ACC-NO: 1996-184670
DERWENT-WEEK: 200051
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TITLE: Moisture-retaining agent having high moisture retention and high temp.
stability - contains lamella structure based on fatty acid mono:glyceride(s) and e.g.
alkyl glycerol and/or water-soluble polymers

PATENT-ASSIGNEE:

ASSIGNEE

CODE

YAKULT HONSHA KK

HONS

PRIORITY-DATA: 1994JP-0201872 (August 26, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 3093930 B2	October 3, 2000		008	A61K007/48
JP 08059449 A	March 5, 1996		009	A61K007/48

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3093930B2	August 26, 1994	1994JP-0201872	
JP 3093930B2		JP 8059449	Previous Publ.
JP 08059449A	August 26, 1994	1994JP-0201872	

INT-CL (IPC): A61 K 7/00; A61 K 7/48

ABSTRACTED-PUB-NO: JP 08059449A

BASIC-ABSTRACT:

Moisture-retaining agent contains a lamella structure based on fatty acid
monoglycerides and one or a mixt. alkyl and alkenyl glycerol ethers and water soluble
polymers.

Pref. glycerol ether is a constituent of the lamella structure.

Also claimed are cosmetic materials contg. the moisture-retaining agent.

ADVANTAGE - Agent retains moisture of corneal layer, is temp. stable and has a good
feel when used.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MOIST RETAIN AGENT HIGH MOIST RETAIN HIGH TEMPERATURE STABILISED CONTAIN
LAMELLA STRUCTURE BASED FATTY ACID MONO GLYCERIDE ALKYL GLYCEROL WATER SOLUBLE
POLYMER

DERWENT-CLASS: D21 E17

CPI-CODES: D08-B09A; E10-E04G; E10-E04J; E10-E04M3; E10-H01D;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

H4 H401 H402 H481 H482 H581 H721 H8 J0 J011
J2 J271 M220 M224 M225 M226 M231 M232 M233 M262
M272 M281 M313 M321 M332 M343 M383 M391 M416 M620
M782 M903 M904 Q254

Markush Compounds

199619-B4901-M

Chemical Indexing M3 *02*

Fragmentation Code

H4 H402 H482 H5 H581 H8 M220 M224 M225 M226
M231 M232 M233 M272 M281 M313 M321 M332 M343 M383
M391 M416 M620 M782 M903 M904 Q254

Markush Compounds

199619-B4902-M

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-058452

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 6346507 B1

L5: Entry 1 of 9

File: USPT

Feb 12, 2002

US-PAT-NO: 6346507

DOCUMENT-IDENTIFIER: US 6346507 B1

TITLE: Liquid crystal composition and cosmetic preparation

DATE-ISSUED: February 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Watanabe; Kei	Kanagawa			JPX
Matsuzaki; Fumiaki	Kanagawa			JPX
Yanaki; Toshio	Kanagawa			JPX
Nakamura; Kazuyoshi	Niigata			JPX
Fujii; Natsuko	Toyama			JPX

US-CL-CURRENT: [510/343](#); [510/417](#), [510/466](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 6342238 B1

L5: Entry 2 of 9

File: USPT

Jan 29, 2002

US-PAT-NO: 6342238

DOCUMENT-IDENTIFIER: US 6342238 B1

TITLE: Organogel comprising an oxidation-sensitive hydrophilic compound, and uses thereof, in particular cosmetic uses

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simonnet; Jean-Thierry	Paris			FRX
Legret; Sylvie	Chatillon			FRX

US-CL-CURRENT: [424/401](#); [264/4.1](#), [424/450](#), [424/59](#), [424/62](#), [514/2](#), [514/474](#), [514/844](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 6303109 B1

L5: Entry 3 of 9

File: USPT

Oct 16, 2001

US-PAT-NO: 6303109
DOCUMENT-IDENTIFIER: US 6303109 B1

TITLE: Body cleansing agent

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foerster; Thomas	Erkrath			DEX
Hollenbrock; Martina	Duesseldorf			DEX
Scholz; Wolfhard	Krefeld			DEX
Pittermann; Wolfgang	Duesseldorf			DEX
Schmitt; Michael	Haan			DEX

US-CL-CURRENT: 424/70.31; 424/401, 424/70.1, 424/70.19, 424/70.21, 424/70.22,
424/70.24, 424/70.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6139854 A

L5: Entry 4 of 9

File: USPT

Oct 31, 2000

US-PAT-NO: 6139854
DOCUMENT-IDENTIFIER: US 6139854 A

TITLE: Skin lightening compositions

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kawato; Junji	Omihachiman			JPX

US-CL-CURRENT: 424/401; 424/62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6066328 A

L5: Entry 5 of 9

File: USPT

May 23, 2000

US-PAT-NO: 6066328
DOCUMENT-IDENTIFIER: US 6066328 A

TITLE: Cosmetic or dermatological composition comprising an oil-in-water emulsion comprising oily globules with a lamellar liquid crystal coating

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FRX
Simonnet; Jean-Thierry	Paris			FRX
Michelet; Jacques	Champlan			FRX

US-CL-CURRENT: 424/401; 424/450, 424/59, 514/844, 514/845, 514/846, 514/938, 514/939,

514/940, 514/941, 514/942, 514/943

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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6. Document ID: US 5925364 A

L5: Entry 6 of 9

File: USPT

Jul 20, 1999

US-PAT-NO: 5925364

DOCUMENT-IDENTIFIER: US 5925364 A

TITLE: Cosmetic or dermatological composition comprising an oil-in-water emulsion comprising oily globules with a lamellar liquid crystal coating

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FRX
Simonnet; Jean-Thierry	Paris			FRX
Michelet; Jacques	Champlan			FRX

US-CL-CURRENT: 424/401; 424/450, 424/59, 514/844, 514/845, 514/846, 514/938, 514/939, 514/940, 514/941, 514/942, 514/943

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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7. Document ID: US 5919487 A

L5: Entry 7 of 9

File: USPT

Jul 6, 1999

US-PAT-NO: 5919487

DOCUMENT-IDENTIFIER: US 5919487 A

TITLE: Nanoparticles coated with a lamellar phase based on silicone surfactant and compositions containing them

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simonnet; Jean-Thierry	Paris			FRX
Richart; Pascal	Paris			FRX

US-CL-CURRENT: 424/490; 424/47, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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8. Document ID: US 5837728 A

L5: Entry 8 of 9

File: USPT

Nov 17, 1998

US-PAT-NO: 5837728

DOCUMENT-IDENTIFIER: US 5837728 A

TITLE: 9-cis retinoic acid esters and amides and uses thereof

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Purcell; William P.	Memphis	TN		

US-CL-CURRENT: 514/529; 514/559, 554/221

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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☐ 9. Document ID: US 5658575 A

L5: Entry 9 of 9

File: USPT

Aug 19, 1997

US-PAT-NO: 5658575

DOCUMENT-IDENTIFIER: US 5658575 A

TITLE: Cosmetic or dermatological composition comprising an oil-in-water emulsion based on oily globules provided with a lamellar liquid crystal coating

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ribier; Alain	Paris			FRX
Simonnet; Jean-Thierry	Paris			FRX
Griat; Jacqueline	Ablon			FRX

US-CL-CURRENT: 424/401; 514/937, 514/938

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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[Generate Collection](#)[Print](#)

Terms	Documents
(lamellar (liquid adj crystal)).ab. and ((vitamin adj a) or retinol or retinyl)	9

Display Format: [CIT](#)[Change Format](#)[Previous Page](#)[Next Page](#)

WEST**End of Result Set**☐

L4: Entry 13 of 13

File: USPT

Jul 23, 1991

DOCUMENT-IDENTIFIER: US 5034228 A

TITLE: Pharmaceutical composition, in particular dermatological or cosmetic, comprising hydrous lipidic lamellar phases or liposomes containing a retinoid or a structural analogue thereof such as a carotenoid

Abstract Paragraph Left (1):

This invention relates to a composition comprising hydrous lipidic lamellar phases or liposomes containing, as an active agent a retinoid or a structural analogue of retinoid, such as a carotenoid or tretinoin. These compositions are more efficient against acne and less irritant for the skin and they are used as a pharmaceutical composition, notably dermatological or cosmetic.

WEST Generate Collection Print

L5: Entry 1 of 9

File: USPT

Feb 12, 2002

DOCUMENT-IDENTIFIER: US 6346507 B1

TITLE: Liquid crystal composition and cosmetic preparation

Abstract Paragraph Left (1):

In order to provide a liquid crystal composition and a cosmetic preparation, which is favorable in adaptation to skin and gives smooth feeling in case of using as a skin care product, and which is favorable in adaptation to makeup and has high makeup removing effect in case of using as a make-up remover, and which is favorable in adaptation to hair and has favorable feeling of use to provide glossiness to hair in case of using as a hair care product, a cosmetic preparation of the present invention comprises (A) 10 to 60 wt % of a nonionic surfactant, (B) 1 to 50 wt % in all of one or more of a water-soluble substance having a hydroxyl group, (C) 1 to 70 wt % of a silicone oil, and (D) 10 to 60 wt % of water and has a liquid crystal phase and/or an isotropic surfactant continuous phase.

Brief Summary Paragraph Right (31):

As an example of the medicament: Vitamins such as Vitamin A oil, retinol, retinol palmitate, inositol, pyridoxine hydrochloride, benzyl nicotinate, nicotinamide, dl-.alpha.-tocopheryl nicotinate, magnesium ascorbate phosphate, ascorbate 2-glucoside, Vitamin D.sub.2 (ergocalciferol), dl-.alpha.-tocopherol 2-L ascorbate phosphate diester potassium, dl-.alpha.-tocopherol, dl-.alpha.-tocopheryl acetate, panthotenic acid, and biotin; hormones such as estradiol and ethinylestradiol; anti-inflammatory agents such as allantoin and azulene; whitening agents such as arbutin; astringents such as zinc oxide and tannic acid; refreshing agents such as L-menthol and camphor; and the other medicaments such as sulfur, lysozyme chloride, pyridoxine hydrochloride, and .gamma.-oryzanol.

WEST

☐ Generate Collection Print

L5: Entry 6 of 9

File: USPT

Jul 20, 1999

DOCUMENT-IDENTIFIER: US 5925364 A

TITLE: Cosmetic or dermatological composition comprising an oil-in-water emulsion comprising oily globules with a lamellar liquid crystal coating

Abstract Paragraph Left (1):

The present invention relates to a cosmetic or dermatological composition comprising an emulsion of oil-in-water type formed of oily globules which are each provided with a lamellar liquid crystal coating and are dispersed in an aqueous phase. Each oily globule containing at least one lipophilic compound which is cosmetically or dermatologically active is individually coated with a monolamellar or aligolamellar layer obtained from at least one lipophilic surface-active agent, from at least one hydrophilic surface-active agent and from at least one ionic amphiphilic lipid imparting to the emulsion a pH ranging from 5.5 to 7.5, the coated oily globules having a mean diameter of less than 500 nanometers.

Brief Summary Paragraph Right (36):

D-.alpha.-tocopherol, DL-.alpha.-tocopherol, D-.alpha.-tocopheryl acetate, DL-.alpha.-tocopheryl acetate, ascorbyl palmitate, glycerides of vitamin F, D-vitamins and especially vitamin D.sub.2 and vitamin D.sub.3, retinol, retinol esters (retinol palmitate and retinol propionate), .beta.-carotene, D-panthenol, farnesol, farnesyl acetate, oils rich in essential fatty acids and especially jojoba oil and blackcurrant oil, 5-n-octanoylsalicylic acid, salicylic acid, alkyl esters of .alpha.-hydroxy acids such as citric acid, lactic acid and glycolic acid, asiatic acid and madecassic acid, asiaticoside, whole extract of Centella asiatica, .beta.-glycyrrhetic acid, .alpha.-bisabolol, ceramides and especially 2-oleoylamino-1,3-octadecane, phytanetriol, sphingomyelin from milk, phospholipids of marine origin which are rich in polyunsaturated essential acids, ethoxyquine, extract of rosmarin, extract of balm, quercetin, extract of dried microalgae (algoxan red from Algateg), essential oil of bergamot, octyl methoxycinnamate (Parsol MCX--Givaudan-Roure), butyl-methoxydibenzoylmethane (Parsol 1789--Givaudan-Roure), octyl triazone (Uvinul T150--BASF), yellow, brown, black and red iron oxides, titanium oxides which may be provided in micrometric or nanometric form or in coated (perfluoroalkyl) form, 3,5-di-tert-butyl-4-hydroxybenzylidene-3-camphor, 2-benzotriazol-2-yl-4-methyl-6-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]-2-methylpropyl]phenol, perfluoro oil (perfluorodecalin and perfluorooctyl bromide) and hyperoxygenated corn oil (Epaline 100 marketed by the company Carilene).

Detailed Description Paragraph Table (2):

Phase A1: Diglyceryl distearate marketed by the company 1.75% Nihon Emulsion under the reference "EMALEX PSGA" Polyoxyethylenated methylglucose 1.15% distearate 20 EO, marketed by the company Amerchol under the name "GLUCAM E 20 DISTEARATE" Sodium dicetyl phosphate 0.75% Stearyl heptanoate 4% Vaseline codex 1.5% Avocado oil 3.2% Jojoba oil 3% Volatile silicone oil 2.7% Vitamin E acetate 1% Natural D-.alpha.-tocopherol marketed by the 1% company Henkel under the name "COPHEROL 1300" Vitamin F glycerides 3% Retinol palmitate marketed by Fluka, 0.5% assayed at 1500 IU/mg Phase A2: Silicone gum marketed by Dow Corning 3% under the name "Q.sub.2 -1403 FLUID" Propylparaben 0.2% Perfume 0.3% Phase B: Glycerol 3% Hydroxyproline 1% D-Panthenol 1% Methylparaben 0.3% Demineralized water qs 100% Phase C: Mixture of carboxyvinyl polymers marketed 0.4% under the name "CARBOPOL 940" by the company Goodrich Demineralized water 9.5% Triethanolamine 0.25%

CLAIMS:

18. Composition according to claim 1, wherein the oily globules contain at least one

fatty or lipophilic substance selected from the group consisting of D-.alpha.-tocopherol, DL-.alpha.-tocopherol, D-.alpha.-tocopheryl acetate, DL-.alpha.-tocopheryl acetate, ascorbyl palmitate, glycerides of vitamin F, D-vitamins, retinol, retinol esters, .beta.-carotene, D-panthenol, farnesol, farnesyl acetate, oils rich in essential fatty acids, 5-n-octanoylsalicylic acid, salicylic acid, alkyl esters of .alpha.-hydroxy acids, asiatic acid, madecassic acid, asiaticoside, whole extract of Centella asiatica, .beta.-glycyrrhetic acid, .alpha.-bisabolol, ceramides, phytanetriol, sphingomyelin from milk, phospholipids of marine origin which are rich in polyunsaturated essential fatty acids, ethoxyquine, extract of romarin, extract of balm, quercetin, extract of dried microalgae, essential oil of bergamot, octyl methoxycinnamate, butylmethoxy-dibenzoylmethane, octyl triazone, yellow, brown, black and red iron oxides, titanium oxides in micrometric or nanometric form or in coated form, 3,5-di-tert-butyl-4-hydroxybenzylidene-3-camphor, 2-benzotriazol-2-yl-4-methyl-6-[3-[1,3,3,3-tetramethyl-1-[trimethylsilyl]oxy]disiloxanyl]-2-methylpropyl]phenol, perfluoro oil and hyperoxygenated corn oil.

WEST**End of Result Set**☐ **Generate Collection**☐ **Print**

L7: Entry 3 of 3

File: DWPI

Jul 18, 2000

DERWENT-ACC-NO: 1991-111460

DERWENT-WEEK: 200045

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TITLE: Prepn. of lipid vesicles in aqueous suspension - by soln. of lipid in solvent,
suspension in water, and evaporation of solvent

INVENTOR: BURIN, J; CHIODI, F ; GROLLIER, J ; RICHOUX, I ; ROSENBAUM, G ;
HANSENNE-RICHOUX, I ; GROLLIER, J F ; HANSENNERI, I

PATENT-ASSIGNEE:

ASSIGNEE

CODE

L'OREAL SA

OREA

PRIORITY-DATA: 1989FR-0013358 (October 12, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CA 2027501 C	July 18, 2000	F	000	B01J013/12
EP 422978 A	April 17, 1991		000	
CA 2026763 A	April 13, 1991		000	
CA 2027501 A	April 13, 1991		000	
FR 2653015 A	April 19, 1991		000	
JP 03178930 A	August 2, 1991		000	
JP 03207443 A	September 10, 1991		000	
US 5192544 A	March 9, 1993		011	A61K007/06
US 5234635 A	August 10, 1993		007	B01J013/12
EP 422978 B1	December 22, 1993	F	016	A61K009/127
DE 69005410 E	February 3, 1994		000	A61K009/127
ES 2047882 T3	March 1, 1994		000	A61K009/127
JP 94065381 B2	August 24, 1994		008	B01J013/02

DESIGNATED-STATES: AT BE CH DE ES FR GB GR IT NL SE AT BE CH DE DK ES FR GB GR IT LI
NL SE

CITED-DOCUMENTS:EP 55576

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CA 2027501C	October 11, 1990	1990CA-2027501	
EP 422978A	September 26, 1990	1990EP-0402648	
FR 2653015A	October 12, 1989	1989FR-0013358	
JP 03178930A	October 12, 1990	1990JP-0275166	
JP 03207443A	October 12, 1990	1990JP-0275167	
US 5192544A	October 11, 1990	1990US-0595474	
US 5234635A	October 11, 1990	1990US-0595473	
EP 422978B1	September 26, 1990	1990EP-0402648	
DE 69005410E	September 26, 1990	1990DE-0605410	
DE 69005410E	September 26, 1990	1990EP-0402648	
DE 69005410E		EP 422978	Based on
ES 2047882T3	September 26, 1990	1990EP-0402648	
ES 2047882T3		EP 422978	Based on
JP 94065381B2	October 12, 1990	1990JP-0275167	
JP 94065381B2		JP 3207443	Based on

INT-CL (IPC): A61K 7/06; A61K 9/10; A61K 9/12; A61K 9/127; A61K 9/133; A61K 9/27; A61K 31/44; A61K 31/50; A61K 31/505; B01J 13/00; B01J 13/02; B01J 13/12

RELATED-ACC-NO: 1991-134258

ABSTRACTED-PUB-NO: EP 422978A
BASIC-ABSTRACT:

Aq. dispersions of lamellar lipidic vesicles, in which each of the vesicles comprises a lipidic spherical leaf enclosing an aq. liq., are prepd. by (a) a lipid is dissolved in an organic solvent that is immiscible with water, (b) this organic phase is added to an aq. phase, the respective quantities of each being such that an oil-in-water dispersion is obt'd., (c) under vigorous agitation, the mixt. is dispersed, and (d) maintaining the vigorous agitation, the solvent and a part of the water are evapd.

USE/ADVANTAGE - The aq. liq. enclosed within each vesicle may contain a

pharmaceutical or a cosmetic. Less heating is required than with conventional processes, and so it is possible to encapsule heat-sensitive materials. It also gives a prod. of very good quality within a short time.

ABSTRACTED-PUB-NO:

EP 422978B

EQUIVALENT-ABSTRACTS:

Process for the preparation of an aqueous dispersion of lamellar lipid vesicles, each of which is composed of at least one spheroidal lipid sheet which encapsulates an aqueous liquid, in which: (a) in a first step, at least one lipid is dissolved in at least one organic solvent, (b) in a second step, the organic phase obtained in the first step is added to an aqueous phase, (c) in a third step, the mixture from the second step is dispersed with stirring, and (d) in a fourth step, the solvent(s) is(are) evaporated at the same time as a portion of the water, characterised in that the organic solvent(s) from step (a) is(are) immiscible with water, in that the respective amounts of the two phases from step (b) are such that the dispersion subsequently obtained is a dispersion of the oil-in-water type (O/W); and in that steps (c) and (d) are carried out with vigorous stirring, the continuous phase of the dispersion always remaining the aqueous phase.

US 5192544A

Cosmetic or pharmaceutical compsn. for topical application contains at least 1 retinoid deriv. and at least 1 pyrimidine deriv.. The compsn. comprises a dispersion of vesicles of at least 1 ionic and/or nonionic amphiphilic lipid. The vesicles are bound by at least 1 lipid lamella(e) in an aq. dispersion phase. The retinoid deriv(s). are in the lipid lamella(e). The pyrimidine deriv(s). is/are in the form of

a soln. or at least partially in the form of a suspension in the aq. phase. Pref. the amphiphilic lipid is natural or synthetic phospholipid. The retinoid deriv. is e.g. retinal, retinol, retinyl acetate or retinoic acid.

USE/ADVANTAGE - Used for inducing and stimulating hair growth and reducing hair loss. The compsn. is light and storage stable.

US 5234635A

An aq. dispersion of lamellar lipid vesicles, each composed of at least 1 spheroidal lipid sheet enclosing an aq. liquid, is prepd. by A) dissolving a lipid in a water immiscible organic solvent, B) adding the organic soln. obtd. to an aq. phase in wt. ratio 0.1-0.6 to obtain an oil-in-water dispersion and C) dispersing the mixt. with stirring and evaporating with stirring the organic solvent concurrent with portion of water. Stirring is carried out with a rotating stirrer whose circumferential velocity is above to m/sec. at its free end and having an angular velocity 1,000 rpm.

The solvent pref. boils below 50 deg. C under 1.5×10^4 to 10^5 pascals. The solvent is e.g. CHCl₃ Et acetate, benzene, petroleum ether. The organic phase contains 5-50 wt. % lipid, esp. a nonionic and/or ionic lipid e.g. a (branched) polyglycol ether, a polyethoxylated fatty alcohol, a natural or synthetic glycolipid.

USE/ADVANTAGE - For encapsulation of pharmaceutical or cosmetic agents to protect them against outside influences.

CHOSEN-DRAWING: Dwg.0/1 Dwg.0/1 Dwg.0/0 Dwg.0/1

TITLE-TERMS: PREPARATION LIPID VESICLE AQUEOUS SUSPENSION SOLUTION LIPID SOLVENT
SUSPENSION WATER EVAPORATION SOLVENT

DERWENT-CLASS: A96 B05 B07 D21 E19

CPI-CODES: A12-V; B04-B01B; B04-B02D1; B04-C03C; B10-D03; B10-E04C; B12-L02;
B12-M11F; D08-B10; E01; E10-D03A; E10-D03C; E10-E04; E10-H01D;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

H401 H402 H403 H404 H405 H481 H482 H483 H484 H5
H589 H721 H722 H8 J011 J271 M225 M226 M231 M262
M272 M280 M281 M312 M313 M316 M323 M331 M332 M333
M340 M342 M383 M393 M423 M431 M510 M520 M530 M540
M620 M782 M903 M904 Q120 Q254 R024 V743 V772 V795
Markush Compounds
199116-10601-M

Chemical Indexing M2 *03*

Fragmentation Code

H4 H401 H402 H403 H404 H405 H481 H482 H483 H484
H721 H722 H8 J0 J011 J012 J271 J3 J371 J372
K620 M210 M211 M212 M220 M221 M222 M223 M224 M225
M226 M231 M232 M233 M262 M273 M280 M281 M282 M312
M313 M314 M315 M316 M321 M331 M332 M333 M342 M343
M349 M381 M383 M391 M416 M431 M620 M782 M903 M904
Q254 R024
Markush Compounds
199116-10601-M

Chemical Indexing M2 *04*

Fragmentation Code

H4 H402 H403 H404 H405 H482 H483 H484 H581 H582
H583 H584 H721 H722 H723 H8 J011 J271 M225 M226
M231 M232 M233 M262 M272 M281 M312 M313 M321 M322
M323 M331 M332 M340 M342 M343 M383 M391 M392 M393
M416 M431 M620 M782 M903 M904 Q254 R024

Markush Compounds
199116-10602-M

Chemical Indexing M3 *03*

Fragmentation Code

H4 H401 H402 H403 H404 H405 H481 H482 H483 H484
H721 H722 H8 J0 J011 J012 J271 J3 J371 J372
K620 M210 M211 M212 M220 M221 M222 M223 M224 M225
M226 M231 M232 M233 M262 M273 M280 M281 M282 M312
M313 M314 M315 M316 M321 M331 M332 M333 M342 M343
M349 M381 M383 M391 M416 M431 M620 M782 M903 M904
Q254 R024

Markush Compounds
199116-10601-M

Chemical Indexing M3 *04*

Fragmentation Code

H4 H402 H403 H404 H405 H482 H483 H484 H581 H582
H583 H584 H721 H722 H723 H8 J011 J271 M225 M226
M231 M232 M233 M262 M272 M281 M312 M313 M321 M322
M323 M331 M332 M340 M342 M343 M383 M391 M392 M393
M416 M431 M620 M782 M903 M904 Q254 R024

Markush Compounds
199116-10602-M

Chemical Indexing M5 *02*

Fragmentation Code

M431 M782 M903 M904 M910 Q254 R024 S005 S032 S131
S133 S134 S142 S143 S303 S317 S503 U560 U563
Specific Compounds
00148M

Chemical Indexing M6 *05*

Fragmentation Code

M903 Q120 Q254 R024 R111

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0148U; 0273U ; 0345U ; 0904U ; 1056U ; 1135U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 3003 0211 0224 0231 1279 1339 1588 1592 1634 1999 2000 2002 2014 2021 2318
2378 2386 2393 2504 2507 2585 2761 2766

Multipunch Codes: 014 028 039 04- 13- 147 157 169 176 198 231 239 24& 240 31- 316 332 336 37- 397
398 402 408 409 414 42- 427 436 44& 525 575 58- 583 589 645 688 720 723 726 728

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-047867